

Primol 352D

Product Description

Primol 352 D is a purified mixture of liquid saturated hydrocarbons. It is a crystal clear, water-white product that contains no toxic impurities. It is obtained from petroleum by vacuum distillation with subsequent refining stages including an ultimate purification by catalytic hydrogenation.

Primol 352 D is manufactured according to purity specifications more severe than the requirements of Pharmacopoeias. It has a higher stability than most mineral, chemical and vegetable products and has excellent chemical inertness.

Primol 352 D is a medicinal-grade white oil, specially manufactured and handled to maintain an extremely low content of water, which is an advantage in the preparation of highly reactive chemicals.

The quality of ExxonMobil White Oils is assured for every delivery. These products are produced and controlled according to the ExxonMobil Product Quality Management System, EN ISO 9000 or equivalent standard.

Applications

Chemicals

Primol 352 D may be used for the storage and protection of lithium, sodium, potassium, calcium, magnesium powder and other metals which would otherwise react with humidity, and as an inert medium in the preparation of their derivatives such as hydrides and borohydrides.

Primol 352 D may be used in the preparation and transfer of suspensions of organometallic derivatives such as the Ziegler Natta and Metallocene catalysts used in the manufacture of HDPE (high density polyethylene), LLDPE (linear low density polyethylene), PP (polypropylene) and related copolymers.

Primol 352 D may be used in the manufacture of polyolefins intended for direct food contact and sterilisable pharmaceutical containers and equipment.

Properties & Specifications

Primol 352 D meets the requirements of the following specifications:

- USA FDA, 21 CFR 172.878 and 21 CFR 178.3620(a), White Mineral Oil
- US Pharmacopoeia, USP 24, Mineral Oil
- USDA (Department of Agriculture), USDA H1 approved
- European Pharmacopoeia, 4th Edition 2002, Liquid Paraffin
- European Directive 90/128/EEC (& 99/91/EEC amendment), White Mineral Oil
- Japanese Pharmacopoeia, JPXIV, Liquid Paraffin
- British Pharmacopoeia, BP 2001, Liquid Paraffin

Typical values may vary within modest ranges and specifications may be subject to change.

Property	Test Method	Typical	Min	Max
Appearance	Visual		Clear & Bright	
Odor	Olfactory		Absent	
Color, Saybolt	ASTM D 156		+ 30	
Kinematic Viscosity @ 40°C, mm ² /s	ASTM D 445		67.0	74.0
Kinematic Viscosity @ 100°C, mm ² /s	ASTM D 445		8.5	
Dynamic Viscosity @ 25 °C, mPa.s	Calculated		130	150
Density @ 20 °C, kg/m ³	ASTM D 4052		860	870
Specific Gravity 15 °C/15 °C	ASTM D 4052		0.864	0.874
Pour Point, °C	ASTM D 97			-18
Flash Point, °C	ASTM D 92		240	
Refractive Index, nD ²⁰	ASTM D 1218		1.473	1.479
Water content, ppm	ASTM D 1533			5
Average Molecular Weight	ASTM D 2502		480	
Hydroc. with 25 carbons and less, wt %	ASTM D 2887			5
Volatility @ 10 mm Hg, temp (°C) at	ASTM D 1160			
2.5 wt% off		280		
5 wt% off		284	275	
10 wt% off		288	282	
Carbon Type, wt% Paraffinic / Naphthenic / Aromatic	ASTM D 2140	66/34/0		

Health & Safety

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request through your local sales representative or from www.ExxonMobil.com

Further Information

ExxonMobil supplies a range of white oils, process oils, waxes, bitumen and a full range of other lubricants, fuels and chemical products worldwide. Please contact your local ExxonMobil representative, or contact us at www.ExxonMobil.com, for more information on other products.

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